

NSLS ENVIRONMENTAL MANAGEMENT PLANNING FORM

ENVIRONMENTAL MANAGEMENT PROGRAM Regeneration of Mixed Resin Beds	Completed by: <u>R. Casey</u> Date: <u>June 1, 2000</u>
1. Objectives: <ul style="list-style-type: none"> Operate in accordance with applicable regulatory requirements Integrate pollution prevention/waste minimization and resource conservation into planning and decision making 	
2. Measures: <ul style="list-style-type: none"> Implement corrective actions identified in PAF#461. Evaluate one P2 opportunity identified in PAF#461. 	
3. Environmental Performance Indicators: Complete all targets by 9/1/00.	
4. Program Description: De-ionization of NSLS process cooling water systems results in the build-up of metals in regenerative mixed resin beds, creating the potential for RCRA regulated wastes. The environmental management program and associated operational controls have been instituted to control activities within applicable regulatory requirements and to evaluate P2 opportunities that eliminate or reduce the generation of these wastes. Supervisors of groups involved in these activities are responsible to ensure compliance with BNL requirements. NSLS ESH staff are available to provide guidance and support. Utilities Group staff working on these systems receive training on waste requirements and spill response. Quarterly audits are performed by ESH staff to monitor compliance with regulations. Reports of findings are sent to responsible supervisors and are tracked until closed.	
5. Potential Environmental Impacts: <ul style="list-style-type: none"> Hazardous waste mismanagement with potential to incur RCRA penalties. Unauthorized discharges to the sanitary sewer system resulting in a violation of the BNL SPDES permit and potential contamination of groundwater or soil. 	
6. Significant Aspect: Hazardous waste, industrial waste, liquid discharge	
7. Legal and Other Requirements: Hazardous waste, pollution prevention, liquid effluents, chemical storage and transfer, spill response subject areas	
8. Operational Controls: (See associated Operational Control Form)	
9. Budget: Costs associated with this program are funded from the base operating budget approved by the Associate Laboratory Director for BES. Funds for addressing the pollution prevention opportunity were provided by Environmental Services Division.	

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10. Structure, Authorities, Responsibilities			
TASKS	PERSON RESPONSIBLE	COMPLETION DATES	STATUS
Complete corrective actions	Utilities Engineer & ECR	Sept. 1	
Complete Pollution Assessment	Utilities Engineer & ECR	Sept. 1	